Date: Fri, 22 Jul 94 15:39:24 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #827
To: Info-Hams

Info-Hams Digest Fri, 22 Jul 94 Volume 94 : Issue 827

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Jul 94 19:29:10 GMT
From: news-mail-gateway@ucsd.edu
Subject: * SpaceNews 25-Jul-94 *
To: info-hams@ucsd.edu

SB NEWS @ AMSAT $SPC0725
* SpaceNews 25-Jul-94 *

BID: $SPC0725

=========
SpaceNews
=========

MONDAY JULY 25, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* LUSAT NEWS *

The LUSAT-OSCAR-19 satellite continues to operate without its file server running. The satellite continues to transmit the following beacon:

> LUSAT-1>AMARG <UI>:
> May 21.
> OBC crashed on May 17 at +/- 2:45 utc, lat 45s, lon 43 w.
> Only digipeater is available.

Although the file server is not available, the satellite does function as a digipeater, and other ground stations can be connected point to point, via LUSAT-1. The satellite has uplinks on 145.840, 145.860, 145.880, and 145.900 MHz using 1200 bps AX.25 Manchester encoded FSK. The BPSK downlink is on a frequency of 437.135 MHz.

Binary telemetry transmissions made by LUSAT-1 indicate that the spacecraft is in good health and transmitting with an output power of a little more than one watt.

Frank, KB2MVN in East Chatham, New York is making available his packet mailbox via LUSAT-1. Stations on the east coast of North America can connect to the mailbox when under a common footprint with Frank using a regular terminal program by issuing the command:

> c kb2mvn v lusat-1

Monitor LUSAT's beacon to determine if the mailbox is active and accessible from your ground station location. Frank asks that you leave him a message if you are able to access the mailbox.

[Info via LU2BDT and KB2MVN]

* STS-65 SAREX INFO *

==========
Greg LaBorde, KD6MSM, at the Jet Propulsion Laboratory in Pasadena, California pointed out that some of the callsigns that appeared in the STS-65 SAREX packet frames in last week's issue of SpaceNews were actually those of DX Packet Clusters and their users. This is apparently the result of frequency sharing between the K6EXO DX Cluster in Los Angeles, California and the SAREX package on the Space Shuttle Columbia.

Joe, WA2GSY, in New Jersey provided the following packet frame received from the Space Shuttle Columbia on 21-Jul-94 at 10:26:16 UTC:

W5RRR-1>QST <UI>:
With the conclusion of this most successful mission, we wish everyone on earth the very best and thank you for your support,
KC5HBV, KC5FVF and the rest of the STS-65 Crew.

* KD2BD PACSAT MODEM *

The August 1994 issue of QEX magazine will carry an article describing the "KD2BD Pacsat Modem", a high-performance 1200 bps BPSK modem designed for communication with "Pacsat" satellites. QEX is an experimenter's journal published by the American Radio Relay League.

The KD2BD Pacsat Modem is the result of several years of development and testing. It was designed around commonly available components for easy duplication and provides outstanding performance.

Among the modem's strengths is its ability to successfully decode BPSK signals well into the noise level using correlation decoding techniques. The modem can be used for communication with PACSAT, WEBERSAT, LUSAT, FO-20, and ITAMSAT as well as many future digital store-and-forward amateur communication satellites. It can also be used for weak signal terrestrial packet radio communications.

In operation, the modem demodulates binary phase shift keying signals received from the downlink of a digital amateur communications satellite via a 70-cm SSB receiver and antenna system. A digital AFC circuit in the modem automatically adjusts the receiver tuning in response to Doppler shift. The modem also generates a Manchester encoded serial data stream that when fed into the microphone connector of a 2-meter FM transmitter, produces 1200 bps Manchester encoded FSK suitable for establishing a full duplex digital communications link with Pacsat satellites.

Schematics, photographs, and a discussion of the modem design and its operation are included in the article. As evidence of its performance, a copy of this issue of SpaceNews has been uploaded to the AMSAT-OSCAR-16 microsat using the KD2BD Pacsat Modem, and will remain available for the

next several days.

* AMSAT-OSCAR-21 NEWS *

At 16:17:43 EDT (20:17:43 UTC), Sunday afternoon, July 20, 1969, astronaut Neil A. Armstrong spoke the words:

"Houston, Tranquility Base here. The Eagle has landed."

At 20:56 EDT, later the same day, Armstrong stepped down from the ladder of the Lunar Module onto the Moon's surface and said:

"That's one small step for (a) man, one giant leap for mankind."

Edwin Aldrin followed him about 15 Minutes later, while Michael Collins orbited the Moon with the APOLLO-11 Command and Service Module at an altitude of 100 kilometers.

To commemorate the anniversary of this historic event, a special Multi-Media Broadcast has been uploaded into the RUDAK system on the AMSAT-OSCAR-21 satellite that includes the historic words and the APOLLO-11 logo in APT FAX format.

AMSAT-OSCAR-21's RUDAK downlink is a frequency of 145.987 MHz and can be received anywhere in the world using a narrowband FM receiver when the satellite is above the local horizon.

[Info via Peter, DB2OS, on behalf of AMSAT-DL and AMSAT-Russia]

* JUPITER OBSERVATIONS *

Amateur astronomer Syl Pauley, K1ZFN, in Warwick, Rhode Island observed the remanants of two comet "hits" into the planet Jupiter using his 13.1-inch reflecting telescope (Dobsonian) and a 4 mm eyepiece. The holes created in the Jovian atmosphere were readily observable by him and interested neighbors. Observations were made at approximately 9:30 PM EDT on 19-Jul-94.

Syl would like to hear of any other reports from observations made by others using small telescopes. Syl can be reached via his packet radio address: K1ZFN @ KC1CE.

[Info via Syl, K1ZFN]

* SSTV ON OSCAR 13 *

==========
Slow scan television (SSTV) enthusiats are invited to join the SSTV sessions being carried on the AMSAT-OSCAR-13 satellite on a downlink frequency of 145.955 MHz.

The SSTV net meets at 45 minutes before the Mode S transponder is activated, and on Mode B following Mode S sessions on Saturdays and Sundays. Comments on these nets should be directed to wb6llo@amsat.org who is coordinating the SSTV nets on AO-13.

[Info via Dave Guimont]

* THANKS! *

Thanks to all those who sent messages of appreciation to SpaceNews, especially:

FB1RCI VA3ART G4RLZ WB6SHI ZS6BMN K8RBV N8HOL TG9IKE N0VMR

* FEEDBACK/INPUT WELCOMED *

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107
PACKET : KD2BD @ N2KZH.NJ.USA.NA
INTERNET : kd2bd@ka2qhd.de.com -or- kd2bd@amsat.org
SATELLITE : AMSAT-OSCAR-16

MAIL : John A. Magliacane, KD2BD
Department of Engineering and Technology
Advanced Technology Center
Brookdale Community College
Lincroft, New Jersey 07738
U.S.A.

<<=- SpaceNews: The first amateur newsletter read in space! -=>>

/EX

--
John A. Magliacane, KD2BD * /\/\ * Voice : 1-908-224-2948
Advanced Technology Center |/\/\/\| Packet : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |\/\/\/| Internet: magliaco@pilot.njin.net
Lincroft, NJ 07738 * \/\/ * Morse : -.- -.. ..--- -... -..

Date: Fri, 22 Jul 1994 09:14:37 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!ncar!csn!
col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!lf.hp.com!apollo.hp.com!hpwin055.uksr!
hpqmoea!dstock@network.
Subject: Elmers, please read
To: info-hams@ucsd.edu

martinja@woods.uml.edu wrote:

  <stuff removed>

: Not so oh wise one. Many folks coming into amateur radio today are not trying
: to emulate anyone. They have minds of their own and the whole world is a
: Burger King. They want it THEIR way. They don't need Elmers anymore...Elmers
: are all old farts.   What do they know? They're all pro-code, keep it that
: way forever conservatives.

    I'm glad many people have minds of their own, and are exploring a new (to them) interest. This is so much better than the activities of the mindless hordes. People who want everything THEIR way, in any branch of life, usually have a disappointment coming as there will be no solution that satisfies everyone simultaneously. I like to get things my way when I can, but have learned that compromise and agreement is more common. Let's all be reasonable humans, and make some allowance for the existance of others with different interests, then we can fairly expect them to make allowance for us.

     I'm on Paul's elmer list, and spend a fair amount of time doing things requested by others. I suppose this qualifies me for some label or another. What do I know? - quite a lot about radio technology, but not everything. They don't need elmers anymore? - doesn't look that way to me, there is a steady stream of people wanting advice when things seem to be going wrong, or when they want a try doing something new to them and need a bit of confidence boosting.

    My age is non-zero, therefore I am old. I find beans, radishes, Brussels sprouts and cabbage contribute strongly to the formation of methane during digestion. I do like radishes.

    I like Morse code, too. It's probably my favourite mode, although most of my operating seems to be the local VHF net. I see no future reason to treat Morse specially. The removal of commercial/government CW stations from our shared bands is well underway. Ready made Morse-capable radio operators are no longer a key national resource in time of war. If the amateur Morse requirement gets dropped by the ITU at

some future WARC, no one outside amateur radio will give a damn. I think Morse ought to be able to survive on a purely voluntary basis, just like all the other modes. Put my vote down for encouragement, not compulsion.

    Bad sending comes from the inexperienced and the complacent. If we want to get results from strange and distant places, clear speech and Morse is very important. It also contributes to other people's opinions of you and your station. I'm all in favour of people brushing up their sending and talking. I think learning a second language is another aid.

: Any so called "old farts" you are hearing, nowadays, are those who managed to
: squeak by on the code exam and pass the Extra written after 72 tries of taking
: every exam the VE teams (team hopping) have available. And this is all during
: one two week period! [Not my experience...I'm a VE and a young Old Fart]

    The real reason for posting is to remind you that other countries exist, withdifferent examination styles. The written exam here is a pair of 90 minute papers. The Morse exam includes sending with a straight key and receiving hand sent Morse. 12 wpm is slower than 20wpm, but 100% copy is required - uncorrected errors on receive are counted letter by letter, I think the pass level is <5 letters in error in 3 minutes. Any uncorrected sending error results in failure, as does more than a few corrected letters. It seems that the difficulty level is similar to the 20wpm US test, with the "20 questions" style.   Despite tested sending, you still find G stations with bad fists and runaway keyers.

    Someone's already pointed out that QLF has been used (unofficially) for generations.

    Funnily enough, I know someone who can only send with his left foot. He had to pass the Morse test that way. He uses phone only, so I don't know whether he has a good "fist" but his licence says he once had.

    Cheers
            David GM4ZNX

Date: Fri, 22 Jul 94 00:53:42 GMT
From: spcuna!starcomm.overleaf.com!n2ayj!n2ayj@uunet.uu.net
Subject: Elmers, please read (Re: CW)
To: info-hams@ucsd.edu

In article <940720095211_4@ccm.hf.intel.com> Cecil_A_Moore@ccm.CH.INTel.COM
writes:

>maybe the ham community could just recommend against straight keys

AAARRRRGGGGHHHH!!! NO, NO, NO! If anything, we should be ENCOURAGING good
fists on straight keys. What happens when the battery dies in the keyer?
Or the computer goes on space-patrol? CW is a MANUAL skill, IMO, that
needs to be developed. The lack of "hand-ear" coordination is a major reason
newer hams can't send good code.

--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
"Please keep your seat belt securely fastened, keep hands and feet inside the
car at all times, secure loose items, exit to your right, and enjoy your day at
SixFlagsDisneyKing's GreatMagicDominionIsland BerryFarmGardensParkWorldLand."

Date: Fri, 22 Jul 1994 06:50:32 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
Subject: Elmers, please read (Re: CW)
To: info-hams@ucsd.edu

In article <774838422.47snx@n2ayj.overleaf.com> n2ayj@n2ayj.overleaf.com (Stan
Olochwoszcz N2AYJ) writes:
>In article <940720095211_4@ccm.hf.intel.com> Cecil_A_Moore@ccm.CH.INTel.COM
writes:
>
>>maybe the ham community could just recommend against straight keys
>
>AAARRRRGGGGHHHH!!! NO, NO, NO! If anything, we should be ENCOURAGING good
>fists on straight keys. What happens when the battery dies in the keyer?
>Or the computer goes on space-patrol? CW is a MANUAL skill, IMO, that
>needs to be developed. The lack of "hand-ear" coordination is a major reason
>newer hams can't send good code.

Continuing my providing a `professional' viewpoint, the Coast Guard
forbid its CW ops from using anything *but* a straight key until
they passed a high-speed test of 25 wpm.

Jeff NH6IL

Date: 21 Jul 94 21:37:30 -0500
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!newsrelay.iastate.edu!

cobra.uni.edu!parickj4560@ames.arpa
Subject: FCC license good/bad
To: info-hams@ucsd.edu

Hello everyone, my only problem with the FCC (besides the wait) was how the license arrived.
It came in an envelope bent in thirds. It would of been nicer if it was crisp and neat, but hey what the heck, I got it and now I can talk!

N0ZYA "when you chop that 40m dipole to a 20m dipole, you really DO get GOOD signal reports on 20m =)

Date: Fri, 22 Jul 1994 06:19:43 GMT
From: panix!ddsw1!indep1!clifto@uunet.uu.net
Subject: Heard on 2M simplex
To: info-hams@ucsd.edu

Heard today on 2M simplex FM in the OSCAR subband:

"The radio will operate single sideband, code wave and FM."

--
Optimists say, "The glass is half full."
Cliff Sharp Pessimists say, "It's half empty."
WA9PDM We realists say, "Before I decide,
clifto@indep1.chi.il.us tell me what's in the glass."

Date: 21 Jul 94 20:15:07 EST
From: csusys.ctstateu.edu!white@yale.arpa
Subject: Info Wanted on 2M allmodes (290, 700..)
To: info-hams@ucsd.edu

I'm looking for some user info on 2M allmode rigs:

Yaesu FT290
Tempo VHF 1+
Kenwood 700S

The last 2 are older rigs, late 70's I think. What I am looking for is info on transportability, field use, mobile use, any problems, hurrahs, etc.
Thx. 73 de N1QVE
Harry

White@csusys.ctstateu.edu

Date: Thu, 21 Jul 1994 23:36:15 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!isclient.merit.edu!msuinfo!harbinger.cc.monash.edu.au!
news.cs.su.oz.au!metro!ipso!rwc@network.ucsd.edu
Subject: IPS Daily Report - 21 July 94
To: info-hams@ucsd.edu

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 077/016

GOES satellite data for 20 Jul
       Daily Proton Fluence >1 MeV: 1.2E+06
       Daily Proton Fluence >10 MeV: 1.6E+04
       Daily Electron Fluence >2 MeV: 1.0E+09
       X-ray background: A2.5
Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	22 Jul	23 Jul	24 Jul
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 22 Jul: 075/013

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices :	A	K	Observed A Index 20 Jul
Learmonth	11	2333 3222	
Fredericksburg	10		05
Planetary	11		07

Observed Kp for 20 Jul: 2132 2212
2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
22 Jul	10	Quiet to unsettled
23 Jul	12	Quiet to unsettled
24 Jul	18	Unsettled to active, possible isolated minor storm periods at higher latitudes.

COMMENT: IPS Geomagnetic Warning 1 was issued on 20 July and is
current for the interval 24-29 July.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
21 Jul	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
22 Jul	normal	normal	normal
23 Jul	normal	normal	fair
24 Jul	normal	fair	poor

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

	Observed	
DATE	T-index	MUFs at Sydney
21 Jul	28	near predicted monthly values with spread F observed 17-18 UT. Sporadic E was observed 05-07 UT.

Predicted Monthly T-index for July: 30

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
22 Jul	30	Near predicted monthly values
23 Jul	30	Near predicted monthly values
24 Jul	30	Near predicted monthly values

COMMENT: Possible spread F during night hours.

--

IPS Regional Warning Centre, Sydney |IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329 |PO Box 5606
Recorded Message tel: +61 2 4148330 |West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331 |AUSTRALIA

Date: Fri, 22 Jul 1994 03:20:26 +0000
From: pipex!demon!g4udt.demon.co.uk!Yves@uunet.uu.net
Subject: License in 7 Weeks!
To: info-hams@ucsd.edu

In article <21JUL199418380172@turbn4.sch.ge.com>
vannostrand@turbn4.sch.ge.com "SCOTT A VANNOSTRAND" writes:

> Took Test: June 4,1994
> License Received: July 27, 1994

>
What's going on at the FCC? Generally the wait is 17 weeks...

Yves Remedios

Date: 22 Jul 1994 00:38:17 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!math.ohio-state.edu!
magnus.acs.ohio-state.edu!sbertsch@network.ucsd.edu
Subject: No code tech./CB/not shedding a tear
To: info-hams@ucsd.edu

In article <30j76uINN1su@dur-news.ctron.com>,
Frederick G. Slama <slama@ctron.com> wrote:

>   Because of the technical skill and interest, I suspect that most
>   of the troublemakers of CB will be content with turning a dial
>   to a simple channel. I am not convinced that HAM radio will ever
>   become as chaotic and "unappealing" as CB.
>-Fred (N1RVG)

Somebody may have mentioned this before - as long as you can buy a decent
CB rig for 40 bucks at the local discount/catalog store, there's not much
incentive to shell out $300+ for ham gear, only to incite the wrath of
every repeater op in town. If ham gear ever gets as cheap to manufacture
as VCR's, we're in big trouble.

-Steve N8KWV
--
Steve Bertsch
University Systems
bertsch.3@osu.edu

Date: Thu, 21 Jul 1994 18:44:15 CDT
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!
uicvm.uic.edu!u40241@ames.arpa
Subject: U.S. op in Canada?
To: info-hams@ucsd.edu

Is there full reciprocity of operation between U.S. and Canada? I will be in
Canada for a few days and do not recall any restrictions other than band limits
but many years have passed since my last drive-thru with rig. Any customs
hassles? Proof of License? (ham plate O.K?) Tnx. K9ZAT.

Date: Thu, 21 Jul 1994 10:53:00 MDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!
usenet@network.ucsd.edu
Subject: US License Examination Opportunities Scheduled 7/21/94 to 10/31/94
To: info-hams@ucsd.edu

AMATEUR RADIO EXAMINATION OPPORTUNITIES

****

Special Note: Amateur Radio licenses usually arrive between 8 and
    10 weeks after the test session. The FCC recently has been taking
    upwards of 14 weeks to process licenses (although as recently
    as this week, some licenses have come through in six to eight weeks.
    The FCC considers their processing time to be 90 days--from the date
    they receive the application. The FCC usually receives the application
    one to two weeks after the test session (once the VE Team and the
    coordinating VEC have completed their processing).

Note: Codeless Technician to Technician w/HF upgraders (who pass a
    Morse code test) will effective 6/8/94 receive a new license from
    the FCC that reads "TECH PLUS." Such upgrades before that date
    would not receive a new license but would need to retain the
    existing Technician license plus the CSCE conveying the Morse
    code test credit as the only documentation issued for use of
    the additional HF privileges.

****

The following test session information is provided by the
ARRL/VEC for the upcoming eight to twelve week period. For
further information, please contact the test session CONTACT
PERSON at the telephone number provided. If necessary, you
may contact the ARRL/VEC at 203-666-1541 x282 for additional
information. Electronic mail may be forwarded to the ARRL/VEC
via USENET at "bjahnke@arrl.org" or via MCI Mail to
MCI ID: 653-2312 or 215-5052.

Although the test session information presented here does
not indicate whether walk-ins are accepted or not, most test
sessions do allow walk-ins. We encourage you, however, to
always contact the CONTACT PERSON at the telephone number
provided so that the VE Team is aware that you be attending
the test session.

STILL NEED TO PREPARE FOR YOUR EXAM?

If you would like information on how to become licensed; or how to locate Amateur Radio clubs, instructors, licensing classes and/or Novice examiners in your area; please contact the ARRL Educational Activities Department (EAD) at 203-666-1541 x219. The EAD can also provide information on recommended study materials. Electronic mail may be forwarded to the ARRL EAD via USENET at "rwhite@arrl.org" or via MCI Mail to MCI ID: 215-5052.

EXAM LISTINGS - DEFINITION OF FIELDS

STATE
Test Date,VEC,City,,Contact Phone,Contact Person

The SECOND field in the following listing specifies the VEC which is coordinating this examination. This single-character designator denotes the VEC as defined below. An "A" (for example) indicates that this examination is coordinated by the ARRL/VEC.

For further information on any examinations listed, or if you do not find any examinations listed for your area, you may contact any of the coordinating VECs below.

A = ARRL/VEC, 225 Main St, Newington, CT 06111; (d) 203-666-1541

The 1994 test fee is $5.75.

X = Anchorage ARC, 2628 Turnagain Parkway, Anchorage, AK 99517;

(d) 907-786-8121, (n) 907-243-2221 (or) 907-276-5121

(or) 907-274-5546

C = Central Alabama VEC, 1215 Dale Dr SE, Huntsville, AL 35801;

205-536-3904

N = Charlotte VEC, 227 Bennett Ln, Charlotte, NC 28213;
704-596-2168

D = Great Lakes ARC VEC Inc., 3040 Harrison St, Glenview, IL 60025;
708-486-8019

E = Golden Empire ARS, PO Box 508, Chico, CA 95927; No phone.

G = Greater Los Angeles ARG, 9737 Noble Ave, Sepulveda, CA 91343;
818-892-2068, 805-822-1473.

J = Jefferson ARC, PO Box 24368, New Orleans, LA 70184-4368;
504-737-2315. Test fee for 1994 is $5.00.

K = Koolau ARC, 45-529 Nakuluai St, Kaneohe, HI 96744;
808-235-4132

L = Laurel ARC Inc., PO Box 3039, Laurel, MD 20709-0039;
(d) 301-572-5124, 301-317-7819, (n) 301-588-3924

M = The Milwaukee RAC Inc., 1737 N 116th St, Wauwatosa, WI 53226;
414-774-6999. Test fee for 1994 is $5.00.

H = Mountain ARC, PO Box 10, Burlington, WV 26710; 304-289-3576,
301-724-0674

P = PHD ARA Inc., PO Box 11, Liberty, MO 64068; 816-781-7313

R = Sandarc-VEC, PO Box 2446, La Mesa, CA 91943-2446; 619-465-3926

S = Sunnyvale VEC ARC, PO Box 60307, Sunnyvale, CA 94088-0307;
408-255-9000

T = Triad Emergency ARC, 3504 Stonehurst Pl, High Point, NC 27265;
919-841-7576

W = Western Carolinas ARS VEC, 5833 Clinton Hwy - Suite 203,
Knoxville, TN 37912-2500; 615-688-7771.
The 1994 test fee is $5.75.

5 = W5YI-VEC, PO Box 565101, Dallas, TX 75356-5101; 817-461-6443
The 1994 test fee is $5.75.

EXAMINATION OPPORTUNITIES OUTSIDE THE UNITED STATES:

10/29/94,A,American Somoa,,684-699-2420,Michael Homsany
10/29/94,A,England,,081-902-5995,Yves a g Remedios
10/29/94,A,St Maarten,,617-566-8613,M L Bardfield

GUAM
09/11/94,A,Adelup,,627-646-7611,Harry Y Taguchi

PUERTO RICO
07/30/94,A,San Juan,,809-789-4998,Victor Madero
08/27/94,A,San Juan,,809-789-4998,Victor Madero

09/24/94,A,San Juan,,809-789-4998,Victor Madero
10/29/94,A,San Juan,,809-789-4998,Victor Madero

US VIRGIN ISLANDS
08/13/94,A,ST Thomas,,809-774-4740,Ronald A Hall Sr
10/08/94,A,St Croix,,809-778-3156,Frank Jaeger

*eof

Date: 21 Jul 1994 20:02:13 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!udel!news.udel.edu!
brahms.udel.edu!not-for-mail@network.ucsd.edu
Subject: Want-Int'l IC735 manual
To: info-hams@ucsd.edu

Want to look at the International user's manual to the ICOM 735.
Tnx Bob

--
Bob Penneys, WN3K   Frankford Radio Club   N.E.R.D.S.
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Date: Fri, 22 Jul 1994 06:40:34 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
To: info-hams@ucsd.edu

References <30kdlg$r36@news.u.washington.edu>, <pwalker.7.0006814A@mbi.moody.edu>,
<CtBICy.LC9@world.std.com>≥¸
Subject : Re: Elmers, please read (Re: CW)

In article <CtBICy.LC9@world.std.com> drt@world.std.com (David R Tucker) writes:
>__
>AR is for calling people you're not in contact with, and for "end of
>message" type things. Why, I don't know, since it's supposed to mean
>"over," which is supposed to mean "my transmission is finished, and
>you're supposed to reply," which is exactly what you want to say
>there. But "K(N)" is preferred. (P.S. "HW?" will often do for "HOW
>COPY?" *if* the other op is experienced enough.)

Keeping in mind *all* CW prosigns originated on the commercial/maritime
freqs, here's an example of how AR would be used (on the maritime freqs)

Suppose a ship calls me and requests a WX forecast. AR would be used

to seperate the WX transcript from whatever comments I might have about it:

... STATIONARY LOW PRESSURE CENTER 12.3N 148.5W BT AR WILL HV NEW WX
IN ABT 1 HOUR OM K

So AR can be used to seperate official stuff from unofficial stuff.

I can't see AR being used in ragchewing.

Jeff NH6IL

End of Info-Hams Digest V94 #827
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